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**Abstract:**

The invention relates to a process for preparing antimicrobial polymers by polymerizing aliphatically unsaturated monomers which have been at least  
5 singly functionalized by means of a tertiary amino group.

The antimicrobial polymers prepared according to the invention may be used as microbicidal coating, inter alia on hygiene items or in the medical sector, or also in surface coatings or protective paints.

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